WORLD PATENT INFORMATION

The international journal for patent documentation, classification and statistics

A joint periodical of
the Commission of the European Communities
and the World Intellectual Property Organization

L.
86

Volume Contents, Subject and Author Index
to Volume 8, 1986

Pergamon Orbit InfoLine Inc.
McLean, Virginia

Pergamon Press
Oxford • New York • Beijing • Frankfurt • São Paulo
Sydney • Tokyo • Toronto

WORLD PATENT INFORMATION

The international journal for patent documentation, classification and statistics of the Commission of the European Communities and the World Intellectual Property Organization
Published by Pergamon Orbit InfoLine Inc. at Pergamon Journals Ltd

Editor-in-Chief: V. S. Dodd

Consultant Editor: Michael W. Hill, Associate Director, Science Reference and Information Service

Editorial Office:

Room 832, State House, 66–71, High Holborn, London WC1R 4TP, U.K.

MANAGEMENT COMMITTEE

L. Kostikov, Deputy Director General, WIPO
P. Claus, Director, WIPO
V. Parajon Collada, Deputy Director General, DG XIII, CEC
H. Kronz, Chief of Division, CEC
P. J. Terragno, President, Pergamon Orbit InfoLine Inc.

EDITORIAL ADVISORY BOARD

Patent Offices *Algeria:* Dine Hadjsadok, Director General, Algiers *Austria:* Otto Leberl, President, Vienna *Brazil:* Alvara S. B. Dutra, President, Rio de Janeiro *Egypt:* Mohamed Hilal, Director General, Cairo *European Patent Office:* Paul Braendli, President, Munich *German Democratic Republic:* Joachim Hemmerling, President, Berlin *Germany, Federal Republic of:* Erich Häusser, President, Munich *Japan:* Manabu Shigu, Director General, Tokyo *Soviet Union:* B. E. Kourakine, Deputy Chairman, Moscow *Spain:* Julio Delicado Montero-Rios, Madrid *Sweden:* Sten Niklasson, Director General, Stockholm *Switzerland:* J. L. Comte, President *United Kingdom:* Philip J. Cooper, Comptroller General, London *United States of America:* Michael K. Kirk, Assistant Commissioner for External Affairs, Washington DC *Zambia:* Anderson Ray Zikonda, Registrar, Lusaka

Organizations *INPADOC: International Patent Documentation Centre*, Otto Auracher, Director General, Vienna *LES: Licensing Executives Society International*, Harry C. Donkers, International Lawyer, Paris *UNIDO: United Nations Industrial Development Organization*, Gangadhar S. Gouri, Director, Vienna

Industry *CIBA-GEIGY AG:* Otto A. Stamm, Head of Patent Department, Basel *DERWENT PUBLICATIONS LTD:* Montague Hyams, Chairman and Manager, London *EXXON RESEARCH AND ENGINEERING CORP.:* Margaret Graham, Manager Research and Engineering Services, Linden, NJ, USA *GENERAL ELECTRIC CO.:* James E. Espe, Manager International Patents Operations, New York *INTERNATIONAL BUSINESS MACHINES CORP.:* Alvin J. Riddles, Yorktown Heights, NY *SIEMENS AG:* Reinhard Ernst, Director Patent Department, Munich

Subscription and Advertising Offices: Headington Hill Hall, Oxford OX3 0BW (Phone Oxford (0865) 64881; Telex 83177)

Annual Subscription Rates (1987)

Annual institutional subscription rate (1987) DM 290.00. Two year institutional rate (1987/88) DM 551.00. Personal subscription rate for those whose library subscribes at the regular rate (1987) DM 114.00. (All prices include postage and insurance.) Prices are subject to change without notice.

Published Quarterly

Subscription enquiries from customers in North America should be sent to: Pergamon Journals Inc., Maxwell House, Fairview Park, Elmsford, NY 10523, U.S.A., and for the remainder of the world to: Pergamon Journals Ltd., Headington Hill Hall, Oxford OX3 0BW, U.K.

Microform Subscriptions

Current subscriptions are available on microfiche simultaneously with the paper edition and on microfilm on completion of the annual index at the end of the subscription year.

Copyright © 1987
Commission of the European Communities (CEC), Luxembourg and World Intellectual Property Organization (WIPO), Geneva, Switzerland

It is a condition of publication that manuscripts submitted to this journal have not been published and will not be simultaneously submitted or published elsewhere. By submitting a manuscript, the authors agree that the copyright for their article is transferred to the publisher if and when the article is accepted for publication. However, assignment of copyright is not required from authors who work for organizations which do not permit such assignment. The copyright covers the exclusive rights to reproduce and distribute the article, including reprints, photographic reproductions, microform or any other reproductions of similar nature and translations. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, electrostatic, magnetic tape, mechanical, photocopying, recording or otherwise, without permission in writing from the copyright holder.

U.S. COPYRIGHT LAW APPLICABLE TO USERS IN THE U.S.A.

Photocopying information for users in the U.S.A. The Item-fee Code for this publication indicates that authorization to photocopy items for internal or personal use is granted by the copyright holder for libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service provided the stated fee for copying, beyond that permitted by Section 107 or 108 of the United States Copyright Law, is paid. The appropriate remittance of $3.00 per copy per article is paid directly to the Copyright Clearance Center Inc., 27 Congress Street, Salem, MA 01970.

Permission for other use. The copyright owner's consent does not extend to copying for general distribution, for promotion, for creating new works, or for resale. Specific written permission must be obtained from the publisher for such copying.

The Item-fee Code for this publication is: 0172–2190/87 $3.00 + .00.

Publishing Offices: **Pergamon Orbit InfoLine Inc., 1340 Old Chain Bridge Road, McLean, VA 22101 (Phone 703 442-0900)**
Pergamon Journals Ltd., Headington Hill Hall, Oxford OX3 0BW
Pergamon Journals Inc., Maxwell House, Fairview Park, Elmsford, NY 10523

VOL. 8 1986

CONTENTS

VOLUME 8, NUMBER 1

	3	Editorial
J. H. Bryant, J. Terapane and A. Kiron	4	Study of automated text searching of U.S. patents
Shen Jialian	8	The successful beginning of publication of Chinese patent documents
M. J. R. Blackman, R. I. W. Honeywood and K. E. Milne	20	Searching organic chemical structures: a comparison of online access to chemical abstracts (CAS) and the corresponding United Kingdom Patent Office search system (C2C)
A. Wittmann and G. Tittlbach	29	PATDPA, an online searchable patent database with display of patent drawing
J. Hewish	33	*Rex vs Arkwright*, 1785: a judgment for patents as information
T. S. Eisenschitz and J. A. Crane	38	Patent searching using classifications and using keywords
J. Hillman and A. G. Hamlyn	41	The United Kingdom Patent Office on film
S. M. Kaback	45	Online Patent Information
	47	Communications
	49	Profiles
	50	Selective Calendar of Events
	51	Meetings and Conferences
	53	Literature Review
	56	Book Announcements
	57	Abstracts

VOLUME 8, NUMBER 2

	65	Editorial
P. Braendli	66	Trilateral co-operation EPO–USPTO–JPO 1983–1985 and associated projects of the EPO
P. A. Smith	70	Patents as sources of technology
J. Stillger and R. Bruckmayer	79	Prior-art searching at the German Patent Office with EMIR (EDP-Microfilm-Integrated-Retrieval)

OL.
8
986

M. F. Lynch	85	Generic chemical structures in patents (Markush structures): the research project at the University of Sheffield
C. Edfjäll	92	The DATIMTEX system of the European Patent Office
C. Oppenheim	98	Use of the Pergamon InfoLine GET command for bibliometric analysis of patent information
M.-L. Zeutzem and P. Buffet	104	The patent information available on QUESTEL
F. De Laet	110	Patent documentation may help develop rural areas
H. DeBuyzer, A. Leroy and S. Behmo	117	Particularly active fields of technology at the European Patent Office
J. Krejčí and D. Kendereški	122	A prognosis of patent activity development
Zhao Qinghua	143	Oil-saving burner invented in China
S. M. Kaback	145	Online Patent Information
	146	Communications
	150	Selective Calendar of Events
	151	Meetings and Conferences
	153	Literature Review
	156	Abstracts

VOL
8
198

VOLUME 8, NUMBER 3

	169	Editorial
H. B. Greenway and C. J. Merek	171	Rapid Patent Service: delivering patent information
R. Notman-Watt	175	Patents and CD–ROM
M. S. White	177	Impact of optical disc technologies on the storage and distribution of patent and trademark information
R. J. Marchant	182	Computerisation of the United Kingdom Patent Office
C. Oppenheim	185	The Patent Office databases on Pergamon InfoLine
J. Phillips	193	Intellectual property and innovation: a comment on the United Kingdom White Paper on patent law reform
H. Evers	198	Patent information services ot the Swiss Federal Intellectual Property Office (SIPO)

J. Hemmerling	206	G.D.R. patent information system promotes the creation of modern high technologies as well as of complex innovation processes
JAPIO	210	The paperless plan of the Japanese Patent Office
S. M. Kaback	218	Online Patent Information
	220	Communications
	224	Selective Calendar of Events
	225	Meetings and Conferences
	227	Book Announcements
	228	Abstracts

VOLUME 8, NUMBER 4

	241	Editorial
J. van der Drift	243	Cross-host searching in patent-related databases
L. Liddle	249	Automated search databases at the U.S. Patent and Trademark Office
J. F. Sibley	254	Patent Information in the Electronic Age: a symposium organised by the European Patent Office, Munich, 6–7 May, 1986
M. W. Hill	261	Small and medium sized enterprises: U.K. research into their information needs
Z. Imam and S. Tandon	266	Patent information services in India with special reference to drugs and pharmaceuticals
O. V. Kedrovski, L. G. Kravets and A. A. Molchanova	273	Organization of patent file network
R. Schramm, H. Drews and K.-D. Biela	278	The organization of patent databanks at the Ilmenau Institute of Technology
V. S. Dodd	289	Survey of the Annual Technical Reports 1985 of the Patent Offices
S. M. Kaback	295	Online Patent Information
	297	Communications
	303	Selective Calendar of Events
	304	Meetings and Conferences

VOL.
8
1986

306 Literature Review

308 Erratum

309 Abstracts

I Software Survey Section

VOL
8
198

AUTHOR INDEX

Behmo, S. 8(2), 117
Biela, K.-D. 8(4), 278
Blackman, M. J. R. 8(1), 20
Braendli, P. 8(2), 66
Bruckmayer, R. 8(2), 79
Bryant, J. H. 8(1), 4
Buffet, P. 8(2), 104

Crane, J. A. 8(1), 38

De Laet, F. 8(2), 110
DeBuyzer, H. 8(2), 117
Dodd, V. S. 8(1), 3
8(2), 65
8(3), 169
8(4), 241
8(4), 289
Drews, H. 8(4), 278
Drift, J. van der 8(4), 243

Edfjäll, C. 8(2), 92
Eisenschitz, T. S. 8(1), 38
Evers, H. 8(3), 198

Greenway, H. B. 8(3), 171

Hamlyn, A. G. 8(1), 41
Hemmerling, J. 8(3), 206
Hewish, J. (8)1, 33
Hill, M. W. 8(4), 261
Hillman, J. 8(1), 41
Honeywood, R. I. W. 8(1), 20

Imam, Z. 8(4), 266

JAPIO 8(3), 210

Kaback, S. M. 8(1), 45
8(2), 145
8(3), 218
8(4), 295
Kedrovski, O. V. 8(4), 273
Kendereški, D. 8(2), 122
Kiron, A. 8(1), 4
Kravets, L. G. 8(4), 273
Krejčí, J. 8(2), 122

Leroy, A. 8(2), 117
Liddle, L. 8(4), 249
Lynch, M. F. 8(2), 85

Marchant, R. J. 8(3), 182
Merek, C. J. 8(3), 171
Milne, K. E. 8(1), 20
Molchanova, A. A. 8(4), 273

Notman-Watt, R. 8(3), 175

Oppenheim, C. 8(2), 98
8(3), 185

Phillips, J. 8(3), 193

Schramm, R. 8(4), 278
Shen Jialian, 8(1), 8
Sibley, J. F. 8(4), 254
Smith, P. A. 8(2), 70
Stillger, J. 8(2), 79

Tandon, S. 8(4), 266
Terapane, J. 8(1), 4
Tittlbach, G. 8(1),29

White, M. S. 8(3), 177
Wittmann, A. 8(1), 29

Zeutzem, M.-L. 8(2), 104
Zhao Qinghua, 8(2), 143

VOL. 8 1986

VOL
8
198

SUBJECT INDEX TO VOLUME 8

abstracts, use of 1985 8(4) 293
accessibility of patent information 8(2) 75
activity 1985 in mechanical search systems 8(4) 289
advantages of patent documents 8(7) 71
analysis of patent information, use of Pergamon InfoLine GET Command 8(2) 98–103
applications in digital form 8(2) 67
appropriate technology 8(2) 110
Arkwright, legal judgment concerning his spinning patents 8(1) 33–37
Automated Patent Search (APS) System 8(4) 249
— definition of data for 8(4) 250
— database structure and content 8(4) 250
— data loading 8(4) 250
— image data 8(4) 252
automated search databases at the USPTO 8(4) 249
automated text searching of U.S. patents 8(1) 4–7
automation project 8(2) 66–69
— application processing 8(2) 67
availability of data in U.K. 8(3) 194
awareness of intellectual property 8(3) 194

backfile conversion 8(2) 67, 8(3) 211
BACON 8(4) 254
bibliometric analysis of patent information 8(2) 98–103
biotechnology 8(2) 117
blips on microfilm for searching 8(2) 79
braking systems 8(2) 119

CAS Online and U.K. system C2C — basic facts 8(1) 20, 21
CD-ROM for patents 8(3) 175–181
— discs 8(3) 175
— hardware 8(3) 179
central patent library of GDR office 8(3) 208
chemical structures, generic (Markush) searching 8(2) 85–91
Chinese documents publication of 8(1) 8–19
— breakdown according to IPC 8(1) 9–14
— front page 8(1) 15
— numbers of 8(1) 8
Chinese Official Gazettes 8(1) 8
classification activities 1985 8(4) 290
classification index on CD-ROM 8(3) 176
compact audio disc 8(3) 178
Compact Disc - Interactive (CDI) 8(3) 180
comparison of manual and full text searches 8(1) 4–7
comparison of online searching organic chemical structures CAS and U.K. Patent Office system 8(1) 20–28
— search results 8(1) 21, 25
comparison of searching using classification and keywords 8(1) 38–40
co-operation in exchange of search results 8(2) 67
computer-aided microfilm search system 8(2) 79
computerisation of U.K. Patent Office 8(3) 182
— administration 8(3) 183
— Register 8(3) 182
— search facility 8(3) 183
computer technology, developments in 8(2) 121
criteria for evaluation of searches 8(1) 4–7
criticisms of patent documents as a source of technical information 8(2) 75
cross-host or crossfile searching in patent databases 8(1) 45; 8(4) 243
— in QUESTEL-INPADOC 8(4) 246
— in SDC-QUESTEL 8(4) 245
— limitations 8(4) 247
cumulative curves of patent activity in X-ray apparatus 8(2) 131–133
— in Germany 8(2) 131, 136, 137
— in U.S.A. 8(2) 132
— in U.S.S.R. 8(2) 133

DARC on QUESTEL 8(2) 104
databank for text searches in German specifications 8(4) 287
databases, cross-host searching in 8(3) 243
database searchable online (PATDPA) 8(1) 29–32
data transmission time 8(3) 180
DATIMTEX system of the EPO 8(2) 67, 92–97, 8(4) 254
— effects for applicants 8(2) 96
— effects for EPO 8(2) 96
definition of data for full text searching 8(4) 250
description in patent specifications, precedent legal case 8(1) 33–37
development of a technical field, theory for estimating rate of development 8(2) 121–128
development of rural areas, use of patent documentation 8(2) 110–116
digitalization and vectorization 8(3) 180
digitalization of graphics for printing German A1 documents 8(1) 29–32
digitalization of patent applications 8(2) 67, 92, 93
digital optical discs 8(3) 180
digitised databases 8(2) 68
distribution of patents between patentees 8(2) 98–103
dissemination of patent information 8(2) 67
drawings, transmission of 8(1) 29–32
— by vector techniques 8(1) 29–32

ECLA file of EPO 8(4) 255
electronic file wrapper 8(2) 67
electronic storage of patent documents 8(2) 67
— of PCT Minimum Documentation 8(2) 67
EMIR (EDP-Microfilm-Integrated-Retrieval) 8(2) 79
EPO family coverage 8(2) 105
EPO patents on QUESTEL 8(2) 105
EPO Symposium, Munich 8(2) 68
exchange of search results 8(2) 68
exchange of statistical information 8(2) 67, 69

filing of patent applications in machine-readable form 8(2) 67
— digital transmission 8(2) 67
— floppy disc 8(2) 67
— OCR 8(2) 67
filing procedures at EPO 8(2) 93
film on U.K. Patent Office 8(1) 41–44
— compilation for exhibition 8(1) 44
— distribution 8(1) 44
flat cathode-ray tubes 8(2) 119
floppy discs accepted by EPO 8(2) 95
form of disclosure of chemical structural information in patents 8(2) 85
fragment codes 8(2) 86
French patents on QUESTEL 8(2) 104
front page of Chinese patent application 8(1) 15
full text database of U.S. patents 8(4) 249
— file conversion 8(4) 250
— database content 8(4) 251
full text searching 8(1) 4–7
future of patent information services 8(3) 181

GDR central patent library 8(3) 208
GDR patent information system 8(3) 207
generic Chemical structures in patents (Markush Structures), searching 8(2) 85–91
genetic engineering 8(2) 117
GENSAL (Generic Structure Language) 8(2) 88, 89
German online searchable patent database (PATDPA) 8(1) 29–32
GET Command, use for analysis of patent information 8(2) 98–103
graphics, handling, storage and transmission 8(1) 31
graphic retrieval facilities for Markush structures 8(2) 85–91
graphics, techniques for transmission 8(1) 29–32
guidelines for filing machine-readable applications 8(2) 67

harmonisation of patent practice 8(2) 67, 69
help in searching databases 8(2) 145
hybrid processing 8(4) 281

ignorance of patent information 8(2) 75
Ilmenau Institute of Technology patent databanks 8(4) 278
image data capture, standards of 8(3) 215
image data of U.S. database 8(4) 252
images, storage and transmission requirements 8(3) 177

impact of optical disc technologies on the storage and distribution of patent and trademark information 8(3) 177–181
Indian National Informatics Centre (NIC) 8(4) 270
Indian Patent Act 1970 8(4) 268
influence of patent laws on patent information 8(4) 267
information recording and retrieval 8(2) 121
information services of Swiss office 8(3) 198
— EPO database information 8(3) 201
— on Swiss applications and patents 8(3) 198
— subject searches 8(3) 200
— technical information service 8(3) 203
information technology 8(2) 66
INPI-1 file, QUESTEL 8(2) 104
INPI-2 file, QUESTEL 8(2) 105
insufficient awareness of intellectual property 8(3) 194
intellectual property and innovation: comment on U.K. White Paper 8(3) 193
INVEntory file of EPO 8(4) 255

Japanese office, paperless plan 8(3) 210
— backfile conversion 8(3) 211
— database system 8(3) 210
judgment for patents as information 8(1) 33–37

keywords, use of in searching 8(1) 38–40; 8(2) 79–83

laser printing from optical discs 8(2) 67
Laservision – Read Only Memory (LV-ROM) 8(3) 180
legal status information from INPADOC, edited 8(4) 247
libraries and public services 8(4) 291
locating generic chemical information 8(2) 85
Lotka's Law 8(2) 98

machine translation 8(2) 68
manual search in paper search files schematized 8(2) 80
Markush structures, searching 8(1) 22 8(2) 85–91
Memorandum of Understanding EPO–USPTO–JPO 8(2) 66
MEMSORT QUESTEL 8(2) 107
methods of obtaining technical knowledge 8(2) 76
microfilm readerprinter 8(2) 80
microfilm search system schematized 8(2) 81
monitoring of time limits by computer 8(3) 183

name/address handling system 8(3) 183
National Information Centre for Drugs and Pharmaceuticals, India 8(4) 271
negative binomial distribution of patents between patentees 8(2) 98–103

OCR, for processing patent applications 8(2) 67
Official Gazettes, Chinese 8(1) 8
oil-saving burner 8(2) 143
online searchable patent database with display of drawing (PATDPA) 8(1) 29–32
optical disc technologies 8(3) 178
optical fibres 8(2) 121
Optical Read Only Memory (OROM) 8(3) 180
organic chemical structures, searching 8(1) 20–28
organization of U.S.S.R. Patent File Network 8(4) 273

paperless plan of Japanese office 8(3) 210
Paris Convention 8(4) 267
particularly active fields of technology at the EPO 8(2) 117–121
PATDPA — online searchable database 8(1) 29–32
patent abstracts on CD-ROM 8(3) 176
patent activity in Germany in X-ray apparatus 8(2) 131
patent activity in U.S.A. in X-ray apparatus 8(2) 132
patent activity in U.S.S.R. in X-ray apparatus 8(2) 132
patent databanks at the Ilmenau Institute of Technology 8(4) 278
patent document and information centre 8(2) 112
patent documentation as help to develop rural areas 8(2) 110–116
patent documents as source of information 8(2) 70, 74
patent information available on QUESTEL 8(2) 104–109
patent information dissemination guidelines 8(2) 68
patent information in India 8(4) 266
— existing services 8(4) 269
patent information in the electronic age — EPO symposium 8(2) 68; 8(4) 254
patent information services, future of 8(3) 181
patent information services, notes on 8(2) 77, 78
patent information services of Swiss office 8(3) 198
patent law reform in U.K. 8(3) 193
patents and CD-ROM 8(3) 175
patents as information, legal judgment 8(1) 33–37
patents as source of technology 8(2) 70–78
patent searching for legal purposes 8(2) 71
patent searching using classification and keywords 8(1) 38–40
patents in transfer of technology 8(2) 70
patent statistics for revealing technological trends 8(2) 70
patent statistics, in relation to technological trends 8(2) 73
Pergamon InfoLine GET Command for patent information analysis 8(2) 98–103
Pergamon InfoLine, U.K. Patent Office databases on 8(3) 185
photographic materials 8(2) 118
'POISK' Scientific and Production Amalgamation, U.S.S.R. 8(4) 273
printing and publication of patent documents 8(4) 292
prior art searching at the German Patent Office 8(2) 79–84
procedure for production of printed EPO applications 8(2) 93
prognosis of patent activity development 8(2) 122–142
promotion of technology by GDR patent information system 8(3) 206
publication of Chinese documents 8(1) 8–19

QUESTEL, patent information available on 8(2) 104–109
QUESTEL Plus software 8(2) 104

Rapid Patent Service (RPS) 8(3) 171
— classification order watch service 8(3) 173
— document acquisition 8(3) 172
— document delivery 8(3) 172
— patent alert subscription service 8(3) 172
raster and vector techniques 8(1) 29–32
— raster to vector conversion 8(1) 30, 31
reasons for consulting patent information 8(2) 73
receipting of documents, computerisation 8(3) 183
recording video image on optical discs 8(3) 178
reducing bulkiness of search files 8(2) 83
regional patent files, U.S.S.R. 8(4) 275
register of U.K. patents, computerisation of 8(3) 182
relations between patent specifications 8(4) 279

SDC and DIALOG compared 8(4) 295
search file establishment and upkeep 8(4) 290
searching by computer aided microfilm system 8(2) 79–84
— search procedures 8(2) 81
searching databases, help in 8(2) 145
searching in databases, cross-host 8(4) 243
searching of full text of U.S. patents 8(4) 249
searching patents using classification and keywords 8(1) 38–40
Sheffield project on Markush structures 8(2) 87
small and medium sized enterprises (SME's) and their information needs 8(4) 261
standards for character and image codes 8(2) 68
standards of image data capture 8(3) 215
state of art searching 8(2) 71
— to assist research 8(7) 71, 72
— to follow competitors' activities 8(2) 72
— to solve problems 8(2) 72
— to support investment decisions 8(2) 72
statistical study of EPO applications 8(2) 117
statistical theory for estimating rate of development of a technical field 8(2) 122–128
storage and transmission requirements of images and text 8(3) 177
survey of Annual Technical Reports 1985 8(4) 289
Swiss patent office, information services of 8(3) 198

targeting drugs in cancerology 8(2) 117
technical information in economic development 8(2) 70
technological development of rural areas 8(2) 110, 111
technology evaluation and promotion 8(2) 73
Technology Information Branch, Australian Patent Office 8(2) 74
technology transfer 8(2) 74
text searches in German specifications, databank for 8(4) 287
text, storage and transmission requirements 8(3) 177
time limit monitoring by computer 8(3) 183
TIPAT (Swiss technical information service) 8(3) 203
TOPOGRAM 8(2) 89

VOL. 8 1986

TRANSDOC project 8(2) 109
transmission of graphics 8(1) 29–32
trends in EPO applications 8(2) 120
trilateral co-operation EPO–USPTO–JPO 8(2) 66–69
— first trilateral conference, Washington 8(2) 66
— second trilateral conference, Munich 8(2) 67
— third trilateral conference, Tokyo 8(2) 67

U.K. C2C system, comparison of search with CAS Online 8(1) 20–28
U.K. Patent Office, computerisation of 8(3) 182
U.K. Patent Office databases on Pergamon InfoLine 8(3) 185
— patent database 8(3) 188
— trademark database 8(3) 185
U.K. Patent Office on film 8(1) 41–44
updating of QUESTEL files 8(2) 105
use of EDP equipment 8(4) 292
use of abstracts, 1985 8(4) 293
uses of information in patent documents 8(2) 71
— in aiding research 8(2) 71
— in monitoring trends in applied research 8(2) 71
— in planning future activities 8(2) 71
use of patents by multinational enterprises 8(2) 76
use of patent literature in research and development 8(2) 70
use of patents to develop rural areas 8(2) 110–116
use of Pergamon Infoline GET Command for analysis of patent information 8(2) 98–103
U.S. patent full text database 8(4) 249
USPTO test group 8(2) 68

vectorization and digitalisation 8(3) 180
vector techniques for transmission of graphical information 8(1) 29–32
video disc 8(3) 179
video film produced by U.K. Patent Office 8(1) 41–44
video images, recording on optical discs 8(3) 178
video systems 8(2) 121

WPI on QUESTEL 8(2) 107